

REMARKS

Reconsideration of the above-identified application in view of the amendments above and the remarks following is respectfully requested. Claims 1-22 are in this case. Claims 1-20 have been rejected. Independent claims 1 and 13, and dependent claims 5, 17 and 20, have now been amended. Dependent claims 2-4, 7-12 and 14 have been canceled.

The Applicant believes that the claims before the Examiner now correspond substantially to allowable subject matter, as will be detailed below.

Amendments to the Specification

The “summary of the invention” has been replaced, so that the “summary” should reflect the amendments made to the claims. All the details of the summary are therefore disclosed in the amended claims. The claim amendments are detailed below and are cross-referenced to the originally filed application.

Introduction to the Present Invention

By way of introduction, the purpose and the essence of the invention, which has full support in the original background section of the originally filed application, is as follows. Non-volatile memories generally require a substantial amount of electrical energy to write thereto. An exception to this rule is contactless chips, which can operate with transient bursts of wirelessly received electricity energy. However, the capacity of the memory of these chips is tiny and therefore not useful for many applications. The present invention teaches an integrated device having a primary memory, a secondary memory and a processor. The primary memory has a large capacity, but cannot be accessed using electrical energy received wirelessly. The secondary memory has a tiny memory, but can be accessed using the wirelessly

received electrical energy. The secondary memory stores wirelessly received data while being powered by wirelessly received electrical energy. The processor copies data from the secondary device to the primary device after the integrated device is connected by a physical connection to an appliance power supply of an appliance. This advantage offered by the present invention is neither taught, nor even suggested, by the cited prior art or any combination thereof, as will be detailed below.

§ 102(e) Rejections

The Examiner has rejected claims 1, 2 and 8 under § 102(e) as being unpatentable over Azuma (US 6,704,608). The Examiner's rejections are respectfully traversed.

Claims 2 and 8 have been canceled, thereby rendering moot the Examiner's rejection of these claims.

While continuing to traverse the Examiner's rejections, and without in any way prejudicing the patentability of the rejected claims, the Applicant has, in order to expedite the prosecution, chosen to amend independent claim 1 to include limitations of now canceled claims 2, 3 and 4. Additionally, other amendments have been made to claim 1, as will be detailed below with reference to the § 103(a) rejection.

Therefore, the above amendments render moot the Examiner's rejections based on § 102(e) grounds.

§ 103(a) Rejections

The Examiner has rejected claims 3-7 and 9-20 as being unpatentable over Azuma in view of Liepe (U.S. Patent No 6,405,278). The Examiner's rejections are respectfully traversed.

Claims 3, 4, 7, 9-12 and 14 have been canceled, thereby rendering moot the Examiner's rejection of these claims.

While continuing to traverse the Examiner's rejections, and without in any way prejudicing the patentability of the rejected claims, the Applicant has, in order to expedite the prosecution, chosen to amend independent claim 1 and 13 as will be detailed below.

Amended claim 1 is directed towards an integrated storage device for storing a data package received wirelessly from a remote base station. The device includes (a) a primary non-volatile storage device, (b) a secondary storage device, (c) an antenna and (d) a processor. These elements are described in more detail below.

(a) The primary non-volatile storage medium is accessible when it is electrically connected via a wired power link to an appliance power supply of an appliance.

The term "electrically connected" is defined as connected using a non-wireless link. This definition is disclosed on page 9, lines 14-15 of the originally filed application.

A wired power link is disclosed on page 10, line 10 of the originally filed application.

The term "appliance power supply" is defined as a power supply of an appliance, as disclosed on page 13, lines 12-14. The term "appliance power supply" is defined herein to include a battery (disclosed on page 18, line 17) or mains power-supply or similar non-wireless source power supply. In other words, "appliance power supply" does not include a power supply, which is derived from demodulating wirelessly received radio waves, or other wirelessly transmitted electromagnetic waves, in order to generate electricity.

Several examples of appliances (personal computer, digital camera, music player or cellular telephone) are disclosed on page 10, lines 18-21 of the application. It is clear that these appliances either need a battery or mains power supply to be operated and that a “wireless source power supply” would not be able to operate the abovementioned appliances.

(c) The antenna is configured to wirelessly receive the data package from the remote base station. The antenna is also configured to wirelessly (the term “wirelessly is clearly disclosed on page 11, lines 5-11) receive electrical energy from the remote base station for powering the secondary non-volatile storage device for storing the data package.

(d) The processor arrangement is permanently operationally connected to the secondary non-volatile storage device and the primary non-volatile storage medium. The processor arrangement is configured for automatically (disclosed on page 13, line 22 of the originally filed application) copying the data package from the secondary non-volatile storage device to the primary non-volatile storage medium after (disclosed on page 13, lines 20-23 of the originally filed application) the primary non-volatile storage medium is electrically connected to the appliance power supply.

As the Examiner noted, Azuma does not teach a processor for copying from one memory to the other.

Liepe however, teaches allowing wireless copying from a flash memory 204 to a receiving device 302 via RF 250. First, the Examiner will note that the flash memory is not permanently operationally connected to receiving device 302. Therefore, Liepe does not teach the limitation of claim 1 of the present application that the processor arrangement is permanently operationally connected to the

secondary non-volatile storage device and the primary non-volatile storage medium. Additionally, the copying of Liepe is not automatically performed when the flash card is brought in to contact with the receiving device. This is in contrast to claim 1 of the present application, which claims automatically copying the data package from the secondary non-volatile storage device to the primary non-volatile storage medium after the primary non-volatile storage medium is electrically connected to the appliance power supply.

Therefore, as neither Azuma nor Liepe teach these limitations, claim 1 is not even obvious over Azuma in view of Liepe.

Amended claim 13 is directed toward a method for storing data in an integrated storage device. The storage device includes a primary non-volatile storage medium, a secondary non-volatile storage device and an antenna. The method includes the steps of:

- (a) wirelessly receiving an electrical energy via the antenna;
- (b) powering the secondary non-volatile storage device using the electrical energy;
- (c) wirelessly receiving a data package from a remote base station via the antenna;
- (d) storing the data package in the secondary non-volatile storage device when the secondary non-volatile storage device is powered only by the electrical energy;
- (e) electrically connecting the primary non-volatile storage medium to an appliance power supply of an appliance via a wired power link; and

(f) after the step of electrically connecting, automatically copying the data package from the secondary non-volatile storage device to the primary non-volatile storage medium using electrical power of the appliance power supply.

The amendments to claim 13 are disclosed in the originally filed application as described above with respect to the amendments to claim 1.

Amended claim 13 includes the step of “copying the data package from the secondary non-volatile storage device to the primary non-volatile storage medium, wherein the step of electrically connecting automatically initiates the step of copying”. Therefore, the step of “copying” is automatically initiated by the “electrically connecting” step. As stated above, with respect to claim 1, this limitation is not taught by Azuma or Liepe. Therefore, claim 13 is not even obvious over Azuma in view of Liepe.

With independent claims 1 and 13 allowable in their present form, it follows that claims 5, 6 and 14-20, that depend therefrom, also are allowable.

Amended Claim 20

Claim 20 has been amended so that the appliance is claimed only as a camera and not including a cellular telephone or personal processing system.

New Claims 21 and 22

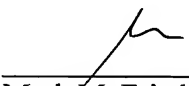
Claim 21 is the same as claim 20 except that the appliance is claimed only as a cellular telephone (originally disclosed in originally filed claim 20).

Claim 22 is the same as claim 20 except that the appliance is claimed only as a personal processing system (originally disclosed in originally filed claim 20).

Claims 21 and 22 are allowable by virtue of depending from claim 13.

In view of the above amendments and remarks it is respectfully submitted that independent claims 1 and 13, and hence also dependent claims 5, 6 and 15-22 are in condition for allowance. Prompt notice of allowance is respectfully and earnestly solicited.

Respectfully submitted,



Mark M. Friedman
Attorney for Applicant
Registration No. 33,883

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